

| L<br>Number | Hits | Search Text  | DB  | Time stamp       |
|-------------|------|--|---|------------------|
| -           | 2    | ((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.) and ((instruction or code) adj2 sequence\$1) and ( slot\$1 or schedul\$4)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 12:27 |
| -           | 1    | ((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.) and ((instruction or code) adj2 sequence\$1) and 717/\$   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 08:37 |
| -           | 84   | ((insert\$4 or put or plac\$4 or embedd\$3) near4 ( (code or instructions))) same ((idle or no-op or unused or stall\$2) adj3 (slot\$1 or space\$1 or portion\$1 or areas))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/23 15:28 |
| -           | 68   | ((insert\$4 or put or plac\$4 or embedd\$3) near4 ( (code or instructions))) same ((idle or no-op or unused or stall\$2) adj3 (slot\$1 or space\$1 or portion\$1 or areas)) and (@ad<=20001121 or @rlad<=20001121)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/23 15:42 |
| -           | 3    | ((insert\$4 or put or plac\$4 or embedd\$3) near4 ( (code or instructions))) same ((idle or no-op or unused or stall\$2) adj3 (slot\$1 or space\$1 or portion\$1 or areas)) and (@ad<=20001121 or @rlad<=20001121) and 717/\$  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/23 15:32 |
| -           | 37   | ((unused or idle or spare or stall)adj2 (time adj slot\$1) ) and ( (code or instructions) near4 insert\$4)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 12:06 |
| -           | 1    | (((((unused or idle or spare or stall)adj2 (time adj slot\$1) ) and ( (code or instructions) near4 insert\$4)) and (@ad<=20001121 or @rlad<=20001121)) or (((insert\$4 or put or plac\$4 or embedd\$3) near4 ( (code or instructions))) same ((idle or no-op or unused or stall\$2) adj3 (slot\$1 or space\$1 or portion\$1 or areas))) and (@ad<=20001121 or @rlad<=20001121)) and (((unused or idle or spare or stall)adj2 (time adj slot\$1) ) and ( (code or instructions) near4 insert\$4)) and (@ad<=20001121 or @rlad<=20001121))) and (compil\$4 and (instruction near4 schedul\$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/23 15:45 |
| -           | 35   | ((unused or idle or spare or stall)adj2 (time adj slot\$1) ) and ( (code or instructions) near4 insert\$4)) and (@ad<=20001121 or @rlad<=20001121)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/23 15:42 |
| -           | 728  | (insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 08:37 |
| -           | 200  | ((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 08:40 |

|  |    |  |  |                     |
|--|----|--|--|---------------------|
|  | 33 | ((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) not (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and ((@ad<=20001121 or @rlad<=20001121) and (((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))) and 717/\$  | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>08:40 |
|  | 51 | ((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) not (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and ((@ad<=20001121 or @rlad<=20001121) and (((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))) not (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and ((@ad<=20001121 or @rlad<=20001121) and (((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))) and 717/\$) and ((@ad<=20001121 or @rlad<=20001121) and (instruction\$1 near4 ( schedul\$4 or slot\$4 or sequenc\$4)) )   | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>08:41 |
|  | 51 | ((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) not (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and ((@ad<=20001121 or @rlad<=20001121) and (((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))) not (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and (((insert\$4 adj3 (instructions or code)) near5 (slot\$1 or bubble\$1 or area\$1 or portion\$1 or space\$1 or gap\$1 or interspac\$3 or no-op or void\$1)) and ((@ad<=20001121 or @rlad<=20001121) and (((correctness or consistency) near4 check\$5) or instrument\$6 or verif\$5 or consistenc\$4 or validat\$4 or estimat\$4 or apprais\$4))) and 717/\$) and ((@ad<=20001121 or @rlad<=20001121) and (instruction\$1 near4 ( schedul\$4 or slot\$4 or sequenc\$4)) )) and (@ad<=20001121 or @rlad<=20001121) | USPAT;<br>US-PPGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>08:42 |

|  |      |   |   |                     |
|--|------|---|---|---------------------|
|  | 65   | ((insert\$4 adj3 (instructions or code))<br>near5 (slot\$1 or bubble\$1 or area\$1 or<br>portion\$1 or space\$1 or gap\$1 or<br>interspac\$3 or no-op or void\$1)) and<br>((@ad<=20001121 or @rlad<=20001121) and<br>(((correctness or consistency) near4<br>check\$5) or instrument\$6 or verif\$5 or<br>consistenc\$4 or validat\$4 or estimat\$4 or<br>apprais\$4))) and (instruction\$1 near4<br>(schedul\$4 or slot\$4 or sequenc\$4))   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>08:43 |
|  | 11   | ((insert\$4 adj3 (instructions or code))<br>near5 (slot\$1 or bubble\$1 or area\$1 or<br>portion\$1 or space\$1 or gap\$1 or<br>interspac\$3 or no-op or void\$1)) not<br>(((insert\$4 adj3 (instructions or code))<br>near5 (slot\$1 or bubble\$1 or area\$1 or<br>portion\$1 or space\$1 or gap\$1 or<br>interspac\$3 or no-op or void\$1)) and<br>((@ad<=20001121 or @rlad<=20001121) and<br>(((correctness or consistency) near4<br>check\$5) or instrument\$6 or verif\$5 or<br>consistenc\$4 or validat\$4 or estimat\$4 or<br>apprais\$4))) and 717/\$) and<br>((@ad<=20001121 or @rlad<=20001121) and<br>(instruction\$1 near4 ( schedul\$4 or<br>slot\$4 or sequenc\$4)) )   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>08:44 |
|  | 8    | ((((insert\$4 adj3 (instructions or code))<br>near5 (slot\$1 or bubble\$1 or area\$1 or<br>portion\$1 or space\$1 or gap\$1 or<br>interspac\$3 or no-op or void\$1)) not<br>(((insert\$4 adj3 (instructions or code))<br>near5 (slot\$1 or bubble\$1 or area\$1 or<br>portion\$1 or space\$1 or gap\$1 or<br>interspac\$3 or no-op or void\$1)) and<br>((@ad<=20001121 or @rlad<=20001121) and<br>(((correctness or consistency) near4<br>check\$5) or instrument\$6 or verif\$5 or<br>consistenc\$4 or validat\$4 or estimat\$4 or<br>apprais\$4))) not (((insert\$4 adj3<br>(instructions or code)) near5 (slot\$1 or<br>bubble\$1 or area\$1 or portion\$1 or<br>space\$1 or gap\$1 or interspac\$3 or no-op<br>or void\$1)) not (((insert\$4 adj3<br>(instructions or code)) near5 (slot\$1 or<br>bubble\$1 or area\$1 or portion\$1 or<br>space\$1 or gap\$1 or interspac\$3 or no-op<br>or void\$1)) and ((@ad<=20001121 or<br>@rlad<=20001121) and (((correctness or<br>consistency) near4 check\$5) or<br>instrument\$6 or verif\$5 or consistenc\$4<br>or validat\$4 or estimat\$4 or apprais\$4)))<br>and 717/\$) and ((@ad<=20001121 or<br>@rlad<=20001121) and (instruction\$1 near4<br>( schedul\$4 or slot\$4 or sequenc\$4)) ))<br>and (@ad<=20001121 or @rlad<=20001121) )<br>and (instrument\$4 or debug\$4 or<br>(consisten\$3 near3 (verif\$4 or check\$4))) | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>09:24 |
|  | 1    | 6275929.URPN.   | USPAT   | 2003/06/24<br>09:06 |
|  | 9    | (stall or bubble) and (insert\$5 near3<br>(instrumentation adj3 (instructions or<br>code)) ) and (@ad<=20001121 or<br>@rlad<=20001121)  | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>10:36 |
|  | 1984 | (instrumentation or hook\$1 or<br>((correctness or error ) near2 check\$4))<br>and ((wasted or spare or unused) near3<br>(cycle\$1 or slot\$1 or time))   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/06<br>15:05 |
|  | 13   | 5758061.URPN.   | USPAT   | 2003/06/24<br>10:18 |

|  |  |      |  |  |                     |
|--|--|------|--|--|---------------------|
|  |  | 3    | 6088525.URPN.  | USPAT  | 2003/06/24<br>10:26 |
|  |  | 24   | 5581696.URPN.  | USPAT  | 2003/06/24<br>10:35 |
|  |  | 1574 | (( (debug or (error adj2 check\$4) or validat\$4 or verif\$6) near3 (code or instructions or hooks) ) same (insert\$4 or plac\$4 or embedd\$4 or intersp\$6) )   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB<br>USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/06/24<br>10:41 |
|  |  | 24   | (( (debug or (error adj2 check\$4) or validat\$4 or verif\$6) near3 (code or instructions or hooks) ) same (insert\$4 or plac\$4 or embedd\$4 or intersp\$6) )) and ((wasted or spare or unused) near3 (cycle\$1 or slot\$1 or time))  | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>14:47 |
|  |  | 76   | (( (debug or (error adj2 check\$4) or validat\$4 or verif\$6) near3 (code or instructions or hooks) ) same (insert\$4 or plac\$4 or embedd\$4 or intersp\$6) )) and ((idle or void or no-op or stall) near3 ( instruction\$1 or slot\$1 or areas or cycle\$1 or time or interval))   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>10:43 |
|  |  | 6    | (( ((debug or (error adj2 check\$4) or validat\$4 or verif\$6) near3 (code or instructions or hooks) ) same (insert\$4 or plac\$4 or embedd\$4 or intersp\$6) )) and ((wasted or spare or unused) near3 (cycle\$1 or slot\$1 or time))) and ((( (debug or (error adj2 check\$4) or validat\$4 or verif\$6) near3 (code or instructions or hooks) ) same (insert\$4 or plac\$4 or embedd\$4 or intersp\$6) )) and ((idle or void or no-op or stall) near3 ( instruction\$1 or slot\$1 or areas or cycle\$1 or time or interval))) | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>10:43 |
|  |  | 367  | ((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time))  | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>13:21 |
|  |  | 26   | (( (code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time)) ) and (spare near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>13:22 |
|  |  | 90   | (( (code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time)) ) and (unused near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))  | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>14:53 |
|  |  | 283  | (( (code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time)) ) and ((idle or stall or void or bubble) near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>13:23 |
|  |  | 15   | (( ((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time)) ) and (spare near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)  | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>13:25 |
|  |  | 44   | (( ((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle) adj2 (cycle\$1 or slot\$1 or time)) ) and (unused near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)   | USPAT;<br>US_PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB  | 2003/06/24<br>13:25 |

|  |  |   |   |                  |
|--|--|---|---|------------------|
|  |  | 126 (((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and ((idle or stall or void or bubble) near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 13:25 |
|  |  | 15 (((((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and (spare near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) and (@ad<=20001121 or @rlad<=20001121))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 14:55 |
|  |  | 14 ((((((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and ((idle or stall or void or bubble) near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) and (@ad<=20001121 or @rlad<=20001121))) and 717/\$   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 13:38 |
|  |  | 43 (optimi\$5 near3 (use or manag\$6 or exploit\$5 or control\$5)) same ((dead or unused or idle or spare) adj3 (space or time or slot\$1 or cycle\$1))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 15:19 |
|  |  | 18 ((((((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and (unused near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) adn (((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and ((idle or stall or void or bubble) near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) and (@ad<=20001121 or @rlad<=20001121)) and 717/\$   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 15:27 |
|  |  | 11 ((((((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and (unused near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) adn (((code or instruction\$1) near3 insert\$4) and ((unused or spare or idle ) adj2 (cycle\$1 or slot\$1 or time)) ) and ((idle or stall or void or bubble) near3 (time or slot\$1 or slic\$3 or cycle\$1 or space\$1))) and (instrumentation or debug\$4 or ((consistenc\$\$ or correctn\$3) same check\$4) or verif\$4)) and (@ad<=20001121 or @rlad<=20001121)) and 717/\$) and ((branch\$3 or addressing or referenc\$4) adj2 (instruction or condition or decision)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 15:28 |

|  |      |     |   |   |                  |
|--|------|-----|---|---|------------------|
|  |      | 32  | ((optimi\$5 near3 (use or manag\$6 or exploit\$5 or control\$5)) same ((dead or unused or idle or spare) adj3 (space or time or slot\$1 or cycle\$1))) and ((@ad<=20001121 or @rlad<=20001121)) ((717/126-131,151-154,158-161) or (712/219) or (714/35)).CCLS.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/24 15:30 |
|  | 1733 | 0   | ("(correct\$4near4check\$4) and(instructionsnear4insert\$5) and(bubble or (dead adj2 slot) or (idle adj2 cycle))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/06/25 10:11 |
|  |      | 35  | (correct\$4 near4 check\$4 ) and (instructions near4 insert\$5) and (bubble or (dead adj2 slot) or (idle adj2 cycle))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/10 14:51 |
|  |      | 34  | ((correct\$4 near4 check\$4 ) and (instructions near4 insert\$5) and (bubble or (dead adj2 slot) or (idle adj2 cycle))) and (@ad<=20001121 or @rlad<=20001121)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/10/10 14:51 |
|  |      | 92  | (insert\$4 or inlin\$3) near3 ((code or instructions) near3 (verif\$6 or checking or instrumentation )) and (correctness or test\$5 or debug\$4 or instrument\$5).ab.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 13:38 |
|  |      | 829 | (@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:50 |
|  |      | 267 | ((insert\$4 or inlin\$3) near3 ((code or instructions) near3 (verif\$6 or checking or instrumentation )) and (correctness or test\$5 or debug\$4 or instrument\$5).ab. ) or ((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.)) and ((code or instructions or command) same (verif\$5 or check\$4 or test\$4))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 12:05 |
|  |      | 66  | ((insert\$4 or inlin\$3) near3 ((code or instructions) near3 (verif\$6 or checking or instrumentation )) and (correctness or test\$5 or debug\$4 or instrument\$5).ab. ) or ((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.)) and ((code or instructions or command) same (verif\$5 or check\$4 or test\$4)) and ((insert\$4 or inlin\$3) near3 ((code or instructions) near3 (verif\$6 or checking or instrumentation )) and (correctness or test\$5 or debug\$4 or instrument\$5).ab. ) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 12:06 |
|  |      | 7   | ((unused or idle or spare or stall) near2 ((time or instruction) adj slot\$1) ) and 717/\$  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 13:33 |
|  |      | 41  | ((spare or empty) near2 (instruction adj2 (slot or frame or container or field)))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 13:35 |
|  |      | 112 | ((unused or idle or spare or stall) near2 ((time or instruction) adj slot\$1) ) and (instrumentation or debug\$4 or (checking near4 error))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05 13:37 |

|  |  |     |   |   |                     |
|--|--|-----|---|---|---------------------|
|  |  | 8   | ((unused or idle or spare or stall) near2 ((time or instruction) adj slot\$1) ) and (instrumentation or debug\$4 or (checking near4 error))) and ((insert\$4 or inlin\$3) near8 (instrument\$5 or (code or instructions)))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/05<br>13:41 |
|  |  | 3   | 717/\$ and (((tabulation or measurement) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:22 |
|  |  | 116 | 717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>13:51 |
|  |  | 54  | (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))) and (instrument\$4 or (insert\$4 near4 (code or sequence or instruction)))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:25 |
|  |  | 47  | ((717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))) and (instrument\$4 or (insert\$4 near4 (code or sequence or instruction))) ) and ( exceed\$4 or conflict\$3 or error or exception or verif\$5 or trap)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:26 |
|  |  | 1   | ((717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))) and (instrument\$4 or (insert\$4 near4 (code or sequence or instruction))) ) and ( exceed\$4 or conflict\$3 or error or exception or verif\$5 or trap) and ((low or minimi\$4) near3 intrusion) and (@ad<=20001121 or @rlad<=20001121)                 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:29 |
|  |  | 18  | ((717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))) and (instrument\$4 or (insert\$4 near4 (code or sequence or instruction))) ) and ( exceed\$4 or conflict\$3 or error or exception or verif\$5 or trap) and (execution adj2 time ) and (@ad<=20001121 or @rlad<=20001121)                               | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:33 |
|  |  | 16  | ((717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))) and (instrument\$4 or (insert\$4 near4 (code or sequence or instruction))) ) and ( exceed\$4 or conflict\$3 or error or exception or verif\$5 or trap) and (execution adj2 time ) and (@ad<=20001121 or @rlad<=20001121)) and (condition or predicate) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>12:34 |
|  |  | 829 | (@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06<br>16:59 |

|  |  |     |  |   |                  |
|--|--|-----|--|---|------------------|
|  |  | 116 | 717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))<br>((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:05 |
|  |  | 194 |  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:04 |
|  |  | 0   | ((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)) and ((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. )  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:02 |
|  |  | 0   | ((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)) and (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) )   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:02 |
|  |  | 12  | ((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)) and (debug or test or performance) and 717/\$  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:19 |
|  |  | 198 | (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) )) or (717/\$ and (debug and verify\$4 or test).ab.)) and (@ad<=20001121 or @rlad<=20001121) and ((insert\$4 or add\$4) near4 ( code or instruction))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:22 |
|  |  | 2   | ((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) )) or (717/\$ and (debug and verify\$4 or test).ab.)) and (@ad<=20001121 or @rlad<=20001121) and ((insert\$4 or add\$4) near4 ( code or instruction)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:35 |
|  |  | 30  | ((performance near4 (monitor or evaluation or analysis)) or debug) and (assertion adj2 (statement or command))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:37 |
|  |  | 18  | ((performance near4 (monitor or evaluation or analysis)) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:03 |
|  |  | 10  | ((((performance near4 (monitor or evaluation or analysis)) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)) and (717/\$ or 714/\$))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:01 |

|  |       |  |   |                  |
|--|-------|--|---|------------------|
|  | 8     | ((((performance near4 (monitor or evaluation or analysis)) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)) not (((((performance near4 (monitor or evaluation or analysis)) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)) and (717/\$ or 714/\$))<br>(("5778724") or ("6530075") or ("5274813")).PN.  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:51 |
|  | 6     | ((("5778724") or ("6530075") or ("5274813")).PN.) and (@ad<=20001121 or @rlad<=20001121)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:51 |
|  | 23    | Heisch.in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 14:55 |
|  | 78379 | ((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:03 |
|  | 127   | ((((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4) ))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:04 |
|  | 120   | ((((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4) )) ) and (@ad<=20001121 or @rlad<=20001121)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:04 |
|  | 0     | ((((assertion or assert) adj2 (instruction or function)) and (performance or monitor or debug or test)) and (((((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4) )) ) and (@ad<=20001121 or @rlad<=20001121) ) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:04 |

|  |      |   |   |                  |
|--|------|---|---|------------------|
|  | 46   | (((((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) ) ) and (@ad<=20001121 or @rlad<=20001121) ) and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:05 |
|  | 2200 | (instrumentation or hook\$1 or ((correctness or error ) near2 check\$4)) and ((wasted or spare or unused) near3 (cycle\$1 or slot\$1 or time))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:06 |
|  | 1    | (((((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$)) and (((@ad<=20001121 or @rlad<=20001121) and ((correctness or consistency) near4 check\$5).ab. ) or (717/\$ and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) ) ) and (@ad<=20001121 or @rlad<=20001121) ) and (((benchmark\$4 or monitor\$4 or parametric or performance) near3 (instruction or code or program) ) same ( correctness or limit or excee\$5 or violat\$4 or conflict\$4)) ) and ((instrumentation or hook\$1 or ((correctness or error ) near2 check\$4)) and ((wasted or spare or unused) near3 (cycle\$1 or slot\$1 or time)) ) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:57 |
|  | 7    | ("5450586"   "5450588"   "5758061"   "5784553"   "6253317"   "6263302"   "6463582"   "2003/0023834").PN.  | USPAT                                       | 2004/04/06 16:09 |
|  | 2    | ((("5450586"   "5450588"   "5758061"   "5784553"   "6253317"   "6263302"   "6463582"   "2003/0023834").PN.) and assert\$4   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:58 |
|  | 2768 | (Wu and Chen).in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:59 |
|  | 0    | ((Wu and Chen).in.) and (assert\$4 and debug)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:59 |
|  | 3    | ((Wu and Chen).in.) and (debug)   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 15:59 |
|  | 2    | ((Wu and Chen).in.) and (test and assert\$5)  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 16:00 |

|  |        |     |   |   |                  |
|--|--------|-----|---|---|------------------|
|  |        | 10  | ((((performance near4 (monitor or evaluation or analysis) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)) and (performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4)))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 16:59 |
|  |        | 5   | (((((performance near4 (monitor or evaluation or analysis) or debug) and (assertion adj2 (statement or command))) and (@ad<=20001121 or @rlad<=20001121)) and (performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4))) and ((code or instruction) near3 (insert\$5 or add\$4)))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 16:11 |
|  |        | 7   | ("5450586"   "5450588"   "5758061"   "5784553"   "6253317"   "6263302"   "6463582"   "2003/0023834").PN.  | USPAT                                       | 2004/04/06 16:16 |
|  | 100570 |     | (performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 16:59 |
|  |        | 147 | (@ad<=20001121 or @rlad<=20001121) and ((correct\$5 or consisten\$3 or execution) near4 (check\$5 or verif\$5) ) and (714/\$ or 717/\$) and (instrument\$4 same (code or program or instruction))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:02 |
|  |        | 42  | ((performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4)) and ((@ad<=20001121 or @rlad<=20001121) and ((correct\$5 or consisten\$3 or execution) near4 (check\$5 or verif\$5) ) and (714/\$ or 717/\$) and (instrument\$4 same (code or program or instruction)))  | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:03 |
|  |        | 26  | ((((performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4))) and ((@ad<=20001121 or @rlad<=20001121) and ((correct\$5 or consisten\$3 or execution) near4 (check\$5 or verif\$5) ) and (714/\$ or 717/\$) and (instrument\$4 same (code or program or instruction)))) and (((threshold or condition or value or predicate) near4 (check\$3 or verif\$4 or assert\$3)) (performance or debug).ab. and (717/\$ or 714/\$))   | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:19 |
|  |        | 28  | (US-6701518-\$ or US-6463582-\$ or US-5758061-\$ or US-5450586-\$ or US-6671818-\$ or US-6609216-\$ or US-6149318-\$ or US-5987250-\$ or US-5644709-\$ or US-5313616-\$ or US-5787286-\$ or US-5903759-\$ or US-6275929-\$ or US-6564316-\$ or US-6381739-\$ or US-5857104-\$ or US-6088525-\$ or US-5551001-\$ or US-6526421-\$ or US-5911073-\$ or US-5768500-\$ or US-6263210-\$ or US-5396496-\$ or US-3940736-\$ or US-5964867-\$ or US-5581696-\$).did. or (US-5265254-\$).did. or (US-20030088863-\$).did. | USPAT; US-PGPUB                             | 2004/04/07 09:19 |

|  |    |   |   |                     |
|--|----|---|---|---------------------|
|  | 15 | (performance near4 ( check\$4 or evaluat\$4 or analysis or measur\$6 or test\$4)) and ((US-6701518-\$ or US-6463582-\$ or US-5758061-\$ or US-5450586-\$ or US-6671818-\$ or US-6609216-\$ or US-6149318-\$ or US-5987250-\$ or US-5644709-\$ or US-5313616-\$ or US-5787286-\$ or US-5903759-\$ or US-6275929-\$ or US-6564316-\$ or US-6381739-\$ or US-5857104-\$ or US-6088525-\$ or US-5551001-\$ or US-6526421-\$ or US-5911073-\$ or US-5768500-\$ or US-6263210-\$ or US-5396496-\$ or US-3940736-\$ or US-5964867-\$ or US-5581696-\$).did. or (US-5265254-\$).did. or (US-20030088863-\$).did.) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/04/07<br>09:20 |
|--|----|---|---|---------------------|